



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.1302
Job Sheet 192686



009101

Part No: 647.1302

Job Qty: 1 pcs

Part Name: EC145 Cable Cutter Removable Provisions



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/29/19

Job Tracking No:

Due Date: 4/26/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

order 14949

Note: 647.1302 REV E IPP REV:A 12.10.05 NEW ISSUE DD VERF:JLM IPP REV:B 13.07.17 AS PER REV B JLM
VERIFIED BY:DD IPP REV:C 15.07.08 AS PER REV D DD VERIFIED BY:JLM IPP REV:D 18.05.02 AS PER
REV.E JFS VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard	Workcenter/Supplier		Sign-off
					Setup Run Hrs Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	4/26/19		0.00 0.00	Packaging 1 - 1		
						Packaging 1 - 2		
						Packaging 1 - 3		
						Packaging 1 - 4		
						Packaging 1 - 5		
						Packaging 1 - 6		
						Packaging 1 - 7		
						Packaging 1 - 8		
						Packaging 1 - 9		
						Packaging 1 - 10		
						Packaging 1 - 11		
						Packaging 1 - 12		
						Packaging 1 - 13		
						Packaging 1 - 14		
						Packaging 1 - 15		
						Packaging 1 - 16		
						Packaging 1 - 17		
						Packaging 1 - 18		
						Packaging 1 - 19		
						Packaging 1 - 20		
						Packaging 1 - 21		
						Packaging 1 - 22		
						Packaging 1 - 23		
						Packaging 1 - 24		
						Packaging 1 - 25		
						Packaging 1 - 26		
						Packaging 1 - 27		APR 05 2019
						Packaging 1 - 28		
						Packaging 1 - 29		
						Packaging 1 - 30		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: \$169936



Part: 647.1302

Job No: 192686

Serial No/Batch: \$169936

Revision: E

Inspector:

Exp Date:

Instructions: FAA STC SR02290LA 16/05/14 JLM/STC LoA RI

Plex 3/29/19 11:24 AM Dart.lajeunesse.marie

					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120 QC 4	1 pcs	4/26/19	0.00 0.00		QC 4 - 28	
					QC 4 - 58	
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
125 DC - 1 - B4B	1 pcs	4/26/19	0.00 0.00		DC - 1 - B4B	
					DC - 2 - B4B	
130 Packaging 3-1 - Stock - B4B	1 pcs	4/26/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140 QC 21 - SA	1 pcs	4/26/19	0.00 0.00		QC 21 - SA - 21	
					QC 21 - SA - 70	
					QC 21 - SA - 53	

Part Op 110 - (Pick Kit)

Descriptions: 120 - (QC4- 100% Inspect kits for completeness)

125 - (Document Control) Photocopy bluefile & type labels per PPP 647.1302

130 - (Identify as per dwg & Stock Location: _____) Identify and pack for shipping as per PPP 647.1302

Location: _____

140 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5140436
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5140437
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5157375
601.2045	RTV (LOCTITE 598)	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	5120467
601.2375	Washer	3 pcs (3 ea)	110-Packaging 1 - Pick Kit	5162289
601.2999	Screw	3 pcs (3 ea)	110-Packaging 1 - Pick Kit	5049458
647.0112	Strut Bracket	8 pcs (8 ea)	110-Packaging 1 - Pick Kit	5133711
647.1401	Upper Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5166229
647.1402	Lower Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5166769
647.1601	Wiper Deflector Aft	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5122734
647.1610	Wiper Deflector Fwd	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5122732
647.1701	Skid Deflector Assembly	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5168150
647.2010	Upper Strut	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	517885
647.2011	Lower Strut	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5120621
647.2110	Lower Rail	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	1125082-50
AN3-11A	Bolt	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	5157980
AN3C10A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5130324
MS21042-08	Use Ms21042L08	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5157102
MS21042-3	Nut use MS21042L3 per QSI 017	18 Ea (18 ea)	110-Packaging 1 - Pick Kit	5157462
MS21042L4	Nut	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5161968
MS27039-08-10	Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	1128799-50
MS27039-08-13	Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5123537
MS27039-1-14	Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5120449
NAS1149F0332P	Washer	40 Ea (40 ea)	110-Packaging 1 - Pick Kit	5157648
NAS1149F0432P	Washer	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5167213
NAS1149FN832P	Washer	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	5134702
NAS6604-66	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5147397

EXP 9/19
EXP 10/20

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	600.0990	1	23	0
	600.0991	1	23	0
	600.1012	1	28	0
	601.2045	1	29	0
	601.2375	3	61	0
	601.2999	3	15	0
	647.0112	8	81	0
	647.1401	1	2	0
	647.1402	1	2	0
	647.1601	1	14	0
	647.1610	1	39	0
	647.1701	2	0	0
	647.2010	2	36	0
	647.2011	2	8	0
	647.2110	1	8	0
	AN3-11A	16	357	0
	AN3C10A	2	44	0
	MS21042-08	8	1	0
	MS21042-3	18	662	0
	MS21042L4	4	4,523	0
	MS27039-08-10	4	185	0
	MS27039-08-13	4	440	0
	MS27039-1-14	4	115	0
	NAS1149F0332P	40	5,864	0
	NAS1149F0432P	8	2,348	0
	NAS1149FN832P	16	2,923	0
	NAS6604-66	4	10	0

Part Specifications

Specifications could not be found.

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

	4	4		4	4		4	4	51	601.3209	LOCKNUT	MS21042L4	
1	4	5	1	4	5	1	8	9	50	601.2973	LOCKNUT	MS21042-08	
27	19	46	27	19	46	27	18	45	49	601.2943	LOCKNUT	MS21042-3	
	3	3		3	3		3	3	48	601.2375	WASHER		
2	8	10	2	8	10	2	16	18	47	601.2764	WASHER	NAS1149FN832P	
62	42	104	62	42	104	62	40	102	46	601.1607	WASHER	NAS1149F0332P	
1		1	1		1	1		1	45	601.2525	SCREW	MS27039-0807	
4		4	4		4	4		4	44	601.1952	SCREW	MS27039-1-20	
							4	4	43	601.3010	SCREW	MS27039-0810	
	4	4		4	4		4	4	42	601.2988	SCREW	MS27039-0813	
6		6	6		6	6		6	41	601.1365	SCREW	MS27039-1-10	
3		3	3		3	3		3	40	601.2198	SCREW	MS27039-1-07	
	3	3		3	3		3	3	39	601.2999	SCREW		
18		18	18		18	18		18	38	601.2459	SCREW	MS27039C1-06	
	4	4		4	4		4	4	37	601.1622	SCREW	MS27039-1-14	
10		10	10		10	10		10	36	601.2051	SCREW	MS24694C52	
2		2	2		2	2		2	35	601.2823	BOLT	AN3-4A	
1		1	1		1	1		1	34	601.1324	BOLT	AN4CH6A	
	2	2		2	2		2	2	33	601.1874	BOLT	AN3C10A	
	12	12		12	12		16	16	32	601.2826	BOLT	AN3-11A	
	8	8		8	8		8	8	31	601.2638	WASHER	NAS1149F0432P	
	4	4		4	4		4	4	30	601.3002	BOLT	NAS6604-66	
2		2	2		2	2		2	29	647.1811	SPACER		
4		4	4		4	4		4	28	647.2511	NUT		
4		4	4		4	4		4	27	647.2510	SLEEVE		
13		13	13		13	13		13	26	647.1812	SHIM		
4		4	4		4	4		4	25	647.1910	CLIP		
1		1	1		1	1		1	24	647.1810	NOSE DOOR DOUBLER		
1		1	1		1	1		1	23	647.1818	NOSE DOOR SPACER		
2		2	2		2	2		2	22	647.1813	ANGLE		
1		1	1		1	1		1	21	647.1913	TEE		
1		1	1		1	1		1	20	647.1814	GUSSET, LH		
1		1	1		1	1		1	19	647.1815	GUSSET, RH		
1		1	1		1	1		1	18	647.1915	SUPPORT ANGLE		
	2	2		2	2		2	2	17	647.2011	LOWER STRUT		
1		1	1		1	1		1	16	647.1914	BRACKET		
1		1	1		1	1		1	15	647.1816	SUPPORT, LH		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table(Restructured)

ORIGINAL DATE 07/06/09
 DRAWN BY: CHECKER
 R. NOYANO D. BARKER
 DRAWING APPROVAL
 P. BRAVO 08/05/09
 CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 2 PLACE DECIMALS ±.03
 3 PLACE DECIMALS ±.010
 ANGLES ±.5°

DART AEROSPACE 3030 ENTERPRISE CT., SUITE A, VISTA, CA. 92081 (760)-724-5300
 EC145 CABLE CUTTERS KIT
 647.1300
 SCALE: NONE SHEET 2 OF 10

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

NOTES: UNLESS OTHERWISE SPECIFIED

1 AFTER INSTALLATION, APPLY F/N 73 A/R TO FILL GAPS AND FILLET EDGES

2. APPLY F/N 74 TO FAYING SURFACES

3 AT CUSTOMERS OPTION, INSTALL F/N 77 BY MATCH DRILLING ONTO F/N 1

4 INSTALL FOR 647.1301, 647.1302.

5 INSTALL FOR 647.1304, 647.1305.

6 APPLICABLE WHEN EUROCOPTER P/N 145-250014.11 IS INSTALLED WITH EUROCOPTER CABLE CUTTER FIXED PROVISIONS.

7 APPLICABLE WHEN REPLACING EUROCOPTER P/N 145-250074.11

8 INSTALL WITH:
647.1304
647.1305
647.1307
647.1308

REV.	DESCRIPTION	DATE	APPROVED
LAST PRELIMINARY REVISION: P03			N/C
N/C	INITIAL RELEASE	06/05/09	P. BRAVO
A	INCORPORATED ECN 02963, 03020, 03048	01/25/11	P. BRAVO
B	INCORPORATED ECN 03919	07/05/13	P. BRAVO
C	INCORPORATED ECN 04059	06/13/13	P. BRAVO
D	INCORPORATED ECN'S 04485, 045921, 5, 04976	06/17/15	P. BRAVO
E	INCORPORATED ECN 05950	03/00/18	P. BRAVO

1		1	1		1	1		1	14	647.1817	SUPPORT, RH		
1		1	1		1	1		1	13	647.1912	BRACKET, LH		
1		1	1		1	1		1	12	647.1911	BRACKET, RH		
	8	8		8	8		8	8	11	647.0112	STRUT BRACKET		
							1	1	10	647.2110	LOWER RAIL		
								1	9	647.2111	UPPER RAIL		
	1	1		1	1		1	1	8	647.1610	WIPER DEFLECTOR, FWD		
	1	1		1	1		1	1	7	647.1601	WIPER DEFLECTOR ASSY, AFT		
							2	2	6	647.1701	SKID DEFLECTOR ASSY		
1		1	1		1	1		1	5	647.3201	GROUNDING CABLE ASSY		
1		1	1		1	1		1	4	647.2201	CROSS ASSY		
1		1	1		1	1		1	3	647.1602	DOUBLER ASSY		
	1	1		1	1		1	1	2	647.1402	CUTTER ASSY (LOWER)		
							1	1	1	647.1401	CUTTER ASSY (UPPER)		
X										647.1309	EC145 T2 FIXED PROVISIONS KIT		
	X									647.1308	EC145 T2 REMOVABLE PROVISIONS KIT		
		X								647.1307	EC145 T2 CABLE CUTTERS KIT		
			X							647.1306	FIXED PROVISIONS KIT U CHANNEL		
				X						647.1305	REMOVABLE PROVISIONS KIT U CHANNEL		6
					X					647.1304	EC145 CABLE CUTTERS KIT U CHANNEL COMPATIBLE		6
						X				647.1303	FIXED PROVISIONS KIT		
							X			647.1302	REMOVABLE PROVISIONS KIT		
								X		647.1301	EC145 CABLE CUTTERS KIT		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table (Restructured)

QTY	ORIGINAL DATE (MAGDA-18) 07/05/09	DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300 APICAL INDUSTRIES, INC. 000 DART AEROSPACE
NEXT ASSY (S)	DRAWN BY: CHICKER P. ROSANO J. BARKER	
	DRAWING APPROVAL P. BRAVO 08/20/09	
	CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 1. DECIMALS 2. PLACE DECIMALS 3. PLACE DECIMALS ANGLES ± .5°		EC145 CABLE CUTTERS KIT SITE: 8 CAGE CODE: 07M26 DWG. NO: 647.1300 SCALE: NONE SHEET: 1 OF 10